

CANCELLED BY SYLAB PROGRAM
DIRECTIVE No. 7A

KSC 250

IS-AS-4

**OFFICE OF
MANNED SPACE FLIGHT**

APOLLO APPLICATIONS PROGRAM

REFERENCE COPY

PROGRAM DIRECTIVE NO. 8

**ESTABLISHMENT OF THE APOLLO APPLICATIONS
TEST DEFINITION AND PLANNING GROUP (TD&PG)**



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WASHINGTON D.C. 20546

APOLLO APPLICATIONS
PROGRAM DIRECTIVE NO. 8

TO : Distribution

FROM: *John H. Fisher for*
DIRECTOR, APOLLO APPLICATIONS

SUBJECT: Establishment of the Apollo Applications Test Definition and
Planning Group (TD&PG)

I. PURPOSE:

This directive establishes an intercenter planning group to assist the respective Apollo Applications Program Managers in the identification and resolution of problems concerned with intercenter ground testing of space vehicles and their associated ground support equipment.

II. SCOPE:

This directive applies to all NASA personnel concerned with Apollo Applications test activities.

III. POLICY:

The group will perform a technical definition function for ground test activities as required for intercenter coordination of test planning. Group activity will be confined to those areas of test which are within the functional responsibilities of the Center Program Offices and will be guided by requirements and policy guidelines issued by the Apollo Applications Director and the respective Center Program Managers. Primary emphasis will be concentrated on planning associated with coordination of integrated systems test activities where intercenter functional responsibilities are involved.

IV. INTERFACE WITH AAP PANELS:

Establishment of the TD&PG does not abrogate the requirement for integration of intercenter test activities associated with the specific hardware disciplines assigned to the AAP Panels. The TD&PG will work with the AAP Panels, as required, to develop recommendations for test activity integration. When problem areas pertinent to the discipline of a particular Panel are identified as constraining the activity of the TD&PG, such problems will be referred to the appropriate Panel for resolution. Conversely, the TD&PG will assist the Panels, as requested, in the formulation of broad test policy affecting a specific Panel activity.

V. ORGANIZATION:

Group co-chairmen will be appointed by the MSC, MSFC and KSC Program Managers. Headquarters representatives will be appointed by the Apollo Applications Director. Other representation from Headquarters and the Centers will be made available as required to support group activities. In the performance of group functions, co-chairmen will report to their respective Center Program Managers.

Subgroups and ad hoc groups may be established as required to expedite the group function. Subgroups and ad hoc group leaders will be selected by the group co-chairmen, subject to approval by the Program Managers.

VI. RESPONSIBILITIES:

Current responsibilities applicable to development, qualification, acceptance and prelaunch test activities are as follows:

- a. Prepare recommendations for operational implementation of the over-all test philosophy established by the Apollo Applications Test Requirements document (NHB 8080.3) and the Reliability and Quality Assurance Program Plan (NHB 5300.5). Insure effective coordination and integration of the intercenter test activities associated therewith.
- b. Prepare recommendations for intercenter hardware test requirements and test approach for the orderly integration of test activities on a mission-by-mission basis and on a multiple mission basis as required.
- c. Insure that the requisite test plans are developed in support of intercenter hardware test requirements.
- d. Analyze the test and facility requirements and plans unique to various hardware modules to insure that:
 - (1) unnecessary test redundancy between Centers is eliminated,
 - (2) most effective utilization is made of existing assets,
 - (3) uniform test requirements, criteria and practices are established for hardware subject to the same environment.
 - (4) test requirements seriously affecting program costs or schedule are identified, and
 - (5) integrated systems performance requirements are properly verified prior to mission execution.

Within the framework of the above listed general responsibilities of the TD&PG, specific responsibilities unique to Experiments and Test

Support are as follows:

Experiments:

- a. Identify requirements for experiment test and test support hardware to be used in intercenter experiment test activities.
- b. Develop recommendations for intercenter experiment ground test plans.
- c. Develop recommendations for intercenter working agreements for all experiment test and checkout operations.
- d. Develop recommendations for experiment test documentation format, level of detail and intercenter coordination procedures.

Test Support:

- a. Review intercenter GSE requirements and prepare recommendations for utilization of existing GSE or new GSE, as appropriate.
- b. Coordinate facility requirements and utilization plans for intercenter support of hardware test and checkout programs.
- c. Develop recommendations for intercenter documentation requirements necessary to support the hardware test and checkout programs.

VII. IMPLEMENTATION:

The Test Definition and Planning Group will insure that all decisions, coordination of test plans, recommendations or conclusions reached in execution of their assigned responsibilities are documented for the guidance and direction of all agencies concerned.

Group decisions and recommendations that commit substantial program effort or require contractor direction must be approved by the respective Center Program Managers prior to implementation. When the Group cannot agree on a common course of action, the problem will be referred to the Program Managers for resolution. If problem resolution cannot be effected at the Program Manager level, it will be referred to the Apollo Applications Director.

VIII. DIRECTIVE REVISION:

This directive will be revised periodically as required to effectively implement the objectives of the Test Definition and Planning Group. Requests for revision should be submitted to the Apollo Applications Director.

DISTRIBUTION:OMSF

M/Mueller
MD/Cortright
M-1/Bowman
MDM/Bogart
MA/Phillips
MAT/Day
MM/Humphreys
MM/McLaughlin
MM/Brownstein
MO/Stevenson
MOR/Brown
MS/White
ML/Mathews
MLD/Disher
ML-1/Levenson
MLV/Fero
MLA/Culbertson (12)
MLO/Edwards (5)
MLP/Field (12)
MLR/Cohen (4)
MLS/Hagner (7)
MLT/Savage (14)
MLG/Hubbard

OSSA

S/Naugle
SM/Foster

OART

R/Adams
RF/Ginter

OTDA

T/Truszynski

KSC

CD/Debus
DD/Siepert
AA/Morgan (10)
AA-SVO/Raffaelli (5)
LO/Petrone
AP-SYS/Wootton

MSC

AA/Gilruth
AB/Deputy Director
CA/Slayton
CB/Astronauts' Office
DA/Berry
EA/Faget
ET/Stoney
FA/Kraft (2)
KA/Thompson (10)
KA/Bernardi
KA/Dotts
KT/Douglas (15)
KA/Evans
KA/Miglicco
KA/Roberts
KA/Williams
PA/Low
ZR-1/Green

MSFC

DIR/von Braun
DEP-T/Rees
I-DIR/O'Connor
I-DIR/Mrazek
I-MO/Speer
I-I/IB-MGR/Teir
I-V-MGR/Rudolph
I-S/AA-MGR/Belew (10)
I-S/AA-T/Chambers
R-AERO-DIR/Jean
R-AERO-D/Horn
R-AERO-F/Lindberg
R-AS/Williams
R-ASTR-1/Powell
R-ASTR-E/Fichtner
R-P&VE-DIR/Palaoro
R-P&VE-V/Aberg
R-RP/Stuhlinger
R-TO-DIR/Vreuls
R-TO/Hunter
R-TO-S/Lucero
R-SE-V/Vedane (15)